

ABSTRACT OF THE DISCLOSURE

A method is provided for asymmetrically encrypting data communicated between a ground platform and multiple airborne platforms. The method includes packet encrypting ground-based data so as to preserve routing information while encrypting the remaining data. The packet-encrypted data is then transmitted to the airborne platforms. The method also includes bulk encrypting airborne-based data so as to maximize security. The bulk-encrypted data is then transmitted to the ground platform.